

Impacts Case Study - Hawaii
(comparison of effect of benchmark and treatment)

Conservation Effects Worksheet

Orchard - Coffee
(land use and crop)

Resource Setting: Kealakekua, Hawaii

HUD Honuaulu very stony silty clay loam, 6 - 20% slopes.

Kainaliu Series, very stony & extremely stony silty clay loam, 12 - 20% slopes.

Conservation Treatment:

Cover and Green Manure Crop (340)

Pest Management (595)

Conservation Cropping Sequence (328)

Nutrient Management (590)

Grassed Waterways (412)

Resource Problems Before Treatment:

Sheet and rill erosion

Sedimentation

Minor gullyng

IMPACTS	DECISIONMAKERS EVALUATION	
	(+ / -)	Comment
Soil loss reduced by 9 tons/year	+	Expensive to construct waterway
Reduce runoff	+	
Gullies eliminated	+/-	
Reduced use of herbicides	+	
Improved soil environment	+	
Less soil compaction	+	
Reduced weed growth	+	
Reduced sedimentation	+	
Increased soil organic matter	+	
Increase infiltration	+	More time and money involved to mow
Need tractor and mower	-	
Comments:		